

# IAPR MVA2002

IAPR WORKSHOP ON MACHINE VISION APPLICATIONS

**FIRST  
CALL FOR PAPERS**

**December 11-13, 2002  
Nara-ken New Public Hall  
Nara. JAPAN**

**Sponsored by:  
IAPR MVA Organizing  
Committee  
Nara Institute of Science  
and Technology**

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From: Name \_\_\_\_\_

Address \_\_\_\_\_

Fax \_\_\_\_\_ E-mail \_\_\_\_\_

(Please tick if appropriate)

I wish to receive further information and registration form.

I intend to participate in the workshop.

I intend to submit a paper. The tentative title of the paper is: \_\_\_\_\_

## FIRST CALL FOR PAPERS

### MVA2002: IAPR Workshop on Machine Vision Applications

December 11 - 13, 2002

Nara-ken New Public Hall, Nara, Japan

The eighth IAPR Workshop on Machine Vision Applications will be held from December 11 to 13, 2002 at the Nara-ken New Public Hall, Nara –one of the world Heritage Cities–, Japan. The workshop is co-sponsored by the IAPR MVA Organizing Committee and Nara Institute of Science and Technology. The purpose of the workshop is to bring together researchers and practitioners from both academia and industry, and to exchange their knowledge and stimulate each other through intensive discussions mainly on (but not limited to) the following research topics.

#### Main Topic: Machine Vision and its Applications

##### Algorithms

Feature Extraction, Range Data and 3D Analysis, Motion and/or Image Sequence Analysis, Neural Network Applications, Color Image Analysis, and related technologies

##### Architectures

Intelligent Sensors, VLSI Image Processor Chips, Massively Parallel Processing, Architectures for 3D and/or Motion Processing, Image Processing Systems, Software Environment for Image Processor, and related technologies

##### Applications

- **Factory Automation:** Inspection, Diagnosis, Assembly, Mobile Robots, and related technologies
- **Intelligent Transport Systems:** Traffic Monitoring, Traffic Control, Driving Safety Assistance, Electric Toll

##### Collection

- **Multimedia:** Image Retrieval, Drawing Processing, Multimedia Database, Virtual Reality
- **Medical:** Medical Examination Assistance, Remote Medicine, 2D/3D Computer Tomography
- **Geographic Information System:** Map Processing, 3D Reconstruction from Photographs or Maps
- **Human Computer Interaction:** Face Recognition, Gesture Recognition, Multi-modal Interface
- **Wearable Computing:** Wearable Image I/O, Personal Imaging, Augmented/Mixed Reality, Human Interface
- **Security:** Surveillance, Alarm System, Biometrics, Personal Identification
- **Others:** Civil and Construction Engineering, Agriculture/Forestry / Fishery, Other applications

The workshop will include about 100 papers for oral and poster presentations on the above topics. All presentations will be made in English. Those who wish to present a paper are requested to submit four copies of an extended abstract of 500-1000 words with at least one main figure by **June 10, 2002** to

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The abstract should contain the following on the first page.

- 1) Title of the paper
- 2) Name(s) and affiliation(s) of the author(s)
- 3) Name and address of the person to be contacted, and also his/her phone/fax number(s) and E-mail address if available
- 4) Answers to the following questions:
  - a) What is the original contribution of this work?
  - b) Why should this contribution be considered important?

#### Important Dates

The paper must be submitted no later than  
Acceptance of the paper will be notified by  
Final camera-ready papers are due on

**June 10, 2002.**  
**August 10, 2002.**  
**October 11, 2002.**